



INVOICE

DATE	INVOICE #
5/15/2014	4785

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
HARPER, KS	5/14/2014	3593	LARIAT 40	OLIVER 3306 3-14H	Due on rec...

Description	
DRILLED 60' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 60' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED 6 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 14" CONDUCTOR PIPE TOTAL BID \$17,000.00	
Sales Tax (6.15%)	\$125.58

TOTAL	\$17,125.58
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JOB SUMMARY			PROJECT NUMBER SOK 3765	TICKET DATE 05/26/14
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Audie Miller	
LEASE NAME Oliver 3306	Well No. 3-14H	JOB TYPE Surface	EMPLOYEE NAME John Hall	

EMP NAME					
John Hall		0			
Joseph Klemm					
Randall Irvin					
0.00					

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0 _____

Bottom Hole Temp. _____ 80 _____ Pressure _____

Retainer Depth _____ Total Depth _____ 650 _____

Date	Called Out 5/26/2014	On Location 5/26/2014	Job Started 5/26/2014	Job Completed 5/26/2014
Time	730am	1000am	200pm	330pm

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 1/4"		Surface	632	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	627	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water	BBL	10 8.33
Spacer type		BBL	
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/26	5.0	5/26	1.0	Surface
Total	5.0	Total	1.0	

Pressures	
MAX	2,000 PSI
AVG	
Average Rates in BPM	
MAX	6 BPM
AVG	
Cement Left in Pipe	
Feet	46
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	160	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .4% C-41P	11.11	2.01	12.40
2	165	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00
	Lost Returns: _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____	SURFACE _____		Excess /Return BBI _____	40
Average	Bump Plug PSI: _____	800		Calc. TOC: _____	SURFACE
IS: F _____	5 Min. _____	10 Min _____	15 Min _____	Final Circ. PSI: _____	200
				Cement Slurry BBI _____	95.9
				Total Volume BBI _____	151.10

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 3793	TICKET DATE 06/02/14
COUNTY Harper	STATE Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Jackie Kennedy	
LEASE NAME Oliver 3306	Well No. 3-14H	JOB TYPE Intermediate	EMPLOYEE NAME Arthur Setzer	

EMP NAME	0				
Arthur Setzer					
Jared Green					
Cody Bonitz					
Don Brown					

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0 _____

Bottom Hole Temp. _____ 155 _____ Pressure _____

Retainer Depth _____ Total Depth _____ 5,558'

Date	Called Out 6/1/2014	On Location 6/2/2014	Job Started 6/2/2014	Job Completed 6/2/2014
Time	2000	0300	1500	1800

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float V ₂	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/4"		Surface	5,558'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	Fresh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/2	15.0	6/2	3.0	Intermediate
Total	15.0	Total	3.0	

Perpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX 5,000 PSI	AVG. 3100
Average Rates in BPM	
MAX 8 BPM	AVG 8
Cement Left in Pipe	
Feet 42	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	255	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.2% C-20 - 0.1% C-37 - 0.4% C-41P	6.93	1.43	13.60
2	120	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60
3	0	0		0	0.00	0.00
				0	0.00	0.00

Summary					
Preflush Breakdown	10	Type: _____	Caustic	Preflush: BBI	30.00
		MAXIMUM	5,000 PSI	Load & Bkdn: Gal - BBI	N/A
		Lost Returns-l	NO/FULL	Excess /Return BBI	N/A
Average		Actual TOC	3,182	Calc. TOC:	3,182
ISIP _____ 5 Min.		Bump Plug PSI:	15 Min _____	Final Circ. PSI:	3,100
				Cement Slurry BBI	90.0
				Total Volume BBI	330.00
				Type: Gel Spacer	
				Pad:Bbl -Gal	N/A
				Calc. Disp Bbl	210
				Actual Disp.	210.00
				Disp:Bbl	210.00

CUSTOMER REPRESENTATIVE *Jackie Kennedy* SIGNATURE